

WHAT IS CLAIMED IS:

1. A digital camera comprising:

a photographing unit which picks-up an image and obtains image data;

5 a storage control unit which stores the image data in the form of an image data file in a predetermined manner in a recording medium;

a reconstruction control unit which reconstructs the image data stored in said recording medium;

10 an image data processing unit which combines the image data picked-up by said photographing unit and the image data reconstructed by said reconstruction control unit to produce an image data, and makes said recording medium store the produced image data;

15 a display unit which displays the images;

a display control unit which makes said display unit simultaneously display the image data obtained by said photographing unit for monitoring and the image data reconstructed by said reconstruction control unit, or which  
20 makes said display unit display the image data produced by said image data processing unit; and

an operational instruction inputting unit which provides operational instruction signals to said photographing unit, said storage control unit, said image  
25 data processing unit, and said display control unit.

2. The digital camera according to claim 1,  
wherein said operational instruction inputting unit  
can designate a portion of the plurality of the image data  
where the images are to be combined.

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3. The digital camera according to claim 1,  
wherein said operational instruction inputting unit  
can designate whether the image data is to be displayed in  
enlarged or reduced manner.

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4. The digital camera according to claim 1,  
wherein said operational instruction inputting unit  
includes a touch panel.

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5. The digital camera according to claim 1,  
wherein said image data processing unit can combine  
a plurality of the image data recorded in said recording  
medium.

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6. The digital camera according to claim 5,  
wherein said image data processing unit can perform  
swing and/or tilt correction when combining a plurality of  
the image data stored in said recording medium.

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7. The digital camera according to claim 5,  
wherein said image data processing unit can perform  
color correction when combining a plurality of the image  
data stored in said recording medium.

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8. A digital camera comprising:

a photographing unit which picks-up an image and  
obtains image data;

a storage control unit which stores the image data  
10 in the form of an image data file in a predetermined manner  
in a recording medium;

a reconstruction control unit which reconstructs the  
image data stored in said recording medium;

an image data processing unit which combines the image  
15 data picked-up by said photographing unit and the image data  
reconstructed by said reconstruction control unit to produce  
an image data, and makes said recording medium store the  
produced image data;

a display unit which displays the images;

20 a display control unit which makes said display unit  
simultaneously display the image data obtained by said  
photographing unit for monitoring and the image data  
reconstructed by said reconstruction control unit, or which  
makes said display unit display the image data produced by  
25 said image data processing unit; and

an operational instruction inputting unit which provides operational instruction signals to said photographing unit, said storage control unit, said image data processing unit, and said display control unit;

5        wherein said photographing unit includes a plurality of CCDs which simultaneously pick-up an image of same or a plurality of objects and obtain a plurality of image data, and said display control unit can make said display unit simultaneously display the plurality of image data obtained  
10 by said photographing unit.

9.     The digital camera according to claim 8,  
      wherein said image data processing unit can combine a plurality of image data when simultaneously displaying  
15 the plurality of the image data on said display control unit.

10.    The digital camera according to claim 8,  
      wherein said image data processing unit can perform color correction for each of the plurality of image data.

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11.    The digital camera according to claim 8,  
      wherein said photographing unit can simultaneously obtain a plurality of images of the same object at different zooming ratios.

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12. The digital camera according to claim 8,  
wherein said photographing unit can simultaneously  
obtain a plurality of images of the same object at different  
shutter speed.

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13. The digital camera according to claim 8,  
wherein said photographing unit can simultaneously  
obtain a plurality of images of the same object at different  
exposure values.

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14. The digital camera according to claim 8,  
wherein said photographing unit can simultaneously  
obtain a plurality of images of the same object at different  
white balance values.

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15. A digital camera comprising:  
photographing means for picking-up an image and  
obtains image data;

storage control means for storing the image data in  
20 the form of an image data file in a predetermined manner  
in a recording medium;

reconstruction control means for reconstructing the  
image data stored in said recording medium;

image data processing means for combining the image  
25 data picked-up by said photographing means and the image

data reconstructed by said reconstruction control means to produce an image data, and makes said recording medium store the produced image data;

display means for displaying the image data;

5 display control means for making said display means simultaneously display the image data obtained by said photographing means for monitoring and the image data reconstructed by said reconstruction control means, or making said display means display the image data produced  
10 by said image data processing means; and

operational instruction inputting means for providing operational instruction signals to said photographing means, said storage control means, said image data processing means, and said display control means.

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16. A digital camera comprising:

photographing means for picking-up an image and obtains image data;

storage control means for storing the image data in  
20 the form of an image data file in a predetermined manner in a recording medium;

reconstruction control means for reconstructing the image data stored in said recording medium;

image data processing means for combining the image  
25 data picked-up by said photographing means and the image

data reconstructed by said reconstruction control means to produce an image data, and makes said recording medium store the produced image data;

display means for displaying the image data;

5 display control means for making said display means simultaneously display the image data obtained by said photographing means for monitoring and the image data reconstructed by said reconstruction control means, or making said display means display the image data produced  
10 by said image data processing means; and

operational instruction inputting means for providing operational instruction signals to said photographing means, said storage control means, said image data processing means, and said display control means,

15 wherein said photographing means includes a plurality of image pick-up means which simultaneously pick-up an image of same or a plurality of objects and obtain a plurality of image data, and said display control means can make said display means simultaneously display the plurality of image  
20 data obtained by said photographing means.

17. A method of displaying images obtained by a digital camera, the method comprising the steps of:

picking-up an image and obtaining image data;

25 storing the image data in a recording medium;

reconstructing the image data stored in said recording medium;

combining the picked-up image data and the reconstructed the image data to produce a combined image data, and storing the combined image data in said recording medium;

simultaneously displaying the picked-up image data for monitoring and the reconstructed image data, or displaying the combined image data.

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18. A method of displaying images obtained by a digital camera, the method comprising the steps of:

simultaneously picking-up a plurality of images of a same or different objects and obtaining image data;

15 storing the image data in a recording medium;

reconstructing the image data stored in said recording medium;

combining the picked-up image data and the reconstructed the image data to produce a combined image data, and storing the combined image data in said recording medium;

simultaneously displaying a plurality of images corresponding to the picked-up image data for monitoring and the reconstructed image data, or displaying the combined image data.

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19. A mobile terminal comprising:

a photographing unit which picks-up an image and obtains image data;

a storage control unit which stores the image data  
5 in the form of an image data file in a predetermined manner in a recording medium;

a reconstruction control unit which reconstructs the image data stored in said recording medium;

an image data processing unit which combines the image  
10 data picked-up by said photographing unit and the image data reconstructed by said reconstruction control unit to produce an image data, and makes said recording medium store the produced image data;

a display unit which displays the images;

15 a display control unit which makes said display unit simultaneously display the image data obtained by said photographing unit for monitoring and the image data reconstructed by said reconstruction control unit, or which makes said display unit display the image data produced by  
20 said image data processing unit; and

an operational instruction inputting unit which provides operational instruction signals to said photographing unit, said storage control unit, said image data processing unit, and said display control unit.

20. A mobile terminal comprising:

a photographing unit which picks-up an image and obtains image data;

5 a storage control unit which stores the image data in the form of an image data file in a predetermined manner in a recording medium;

a reconstruction control unit which reconstructs the image data stored in said recording medium;

10 an image data processing unit which combines the image data picked-up by said photographing unit and the image data reconstructed by said reconstruction control unit to produce an image data, and makes said recording medium store the produced image data;

a display unit which displays the images;

15 a display control unit which makes said display unit simultaneously display the image data obtained by said photographing unit for monitoring and the image data reconstructed by said reconstruction control unit, or which makes said display unit display the image data produced by  
20 said image data processing unit; and

an operational instruction inputting unit which provides operational instruction signals to said photographing unit, said storage control unit, said image data processing unit, and said display control unit;

25 wherein said photographing unit includes a plurality

of CCDs which simultaneously pick-up an image of same or  
a plurality of objects and obtain a plurality of image data,  
and said display control unit can make said display unit  
simultaneously display the plurality of image data obtained  
5 by said photographing unit.